Vi2508/Vi2508S/Vi2516/Vi2516S

MaxiiPower™ 8 and 16-port PoE + UTP Ethernet Extender

Features

- High power midspan with built-in Ethernet extender for distances up to 3,000 feet (914 m).
- 8 or 16 port of IEEE 802.3 af/at compliant up to 37W per port simultaneously on all ports with no power management required.
- Ports 1-4 can provide 74W each.
- Provides full .af (12.95W) up to 3,000 ft./914 m and full .at (25.4W) up to 800 ft./ 243 m.
- Can provide 100Mbps data and 74W PoE for IP cameras with heaters, blowers, and high speed PTZ operation.
- Fully mananageable with Windows GUI accessible through local USB port or network connection with default plug-and-play option.
- Managed in-rush current prevents shut down during camera events such as start-up, day/night, auto back focus heater and blower turn on, and PTZ operation.
- Each port can automaticaly detect and adapt to standard or extended Ethernet.
- No IP address programming or other networking setup required.
- Limited lifetime warranty.

Applications

- Powering IP cameras at extended distances
- Powering VoIP Phones
- Powering Wireless access points

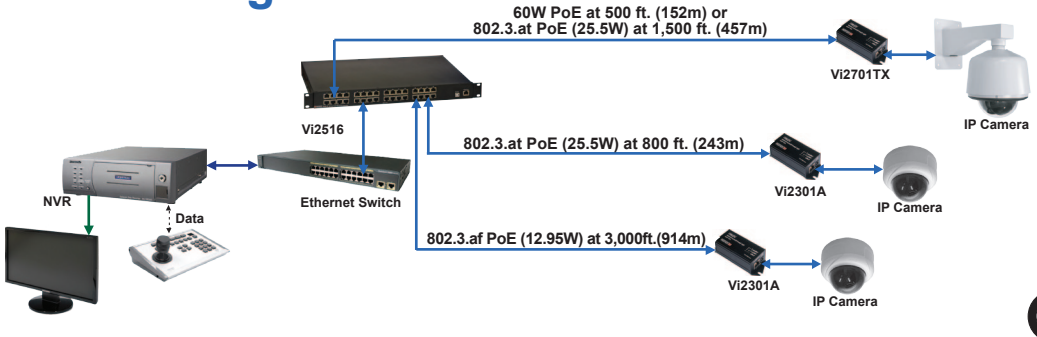
MaxiiPower™ Vi2508 and Vi2516 midspans are designed to meet the most demanding IP camera data and PoE requirements at extended distances. They are fully manageable and provide up to 37W per port, with no power sharing. The Vi2500 series provide extended distance transmission over UTP using Vigitron's unique Symmetric Bandwidth (SBW™) technology.

With only a transceiver and no additional power source at the camera site, the Vi2500 series can provide full 802.3.af, 802.3at on all ports. In addition, they can provide up to 74W on each ports 1 through 4. for high power applications such as PTZ cameras. They are fully transparent to the Ethernet network and higher layer protocols, and require no IP setting or configurations. The PoE controller provides auto mode with no programing required.

The PoE is fully manageable by an easy-to-use Windows™ based GUI that can be accessed via direct connection to the USB port or remotely over network connections. It also operates in auto mode with no programing required. Standard accessory client software provides full security, discovery for all Vigitron Midspans' set up and individual port monitoring. The built-in Ethernet extender technology simplifies the installation and lowers the cost of the system by eliminating the need for standard PoE midspans with far limited PoE power and protection capability.

MaxiiPower™ midspans provide status LED's to indicate power and transmission status to indicate potential problem areas. The PoE is fully manageable by an easy to use GUI that can be accessed via direct connection to the USB port or remotely over network connections. The Vi2508S and Vi2516S provide input connectors for redundent power supplies (RPS) for extra reliability. They need to be used with Vi2301A or Vi2701TX at the camera side.

Application Diagram



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Technical Specification*

Electrical

Ethernet Interface	Standard 10/100BaseT
UTP	Category-5 (or higher quality)
Ethernet Rate	Auto select 10/100 Mbp/s Full speed / full duplex at maximum rated distance
Output Power	56 VDC, 37W max. per port, 74W max. per ports 1-4 300W max. (Vi2508/Vi2508S) 600W max. (Vi2516/Vi2516S)
AC Input Power	90 -264 V AC, 50-60 Hz, 6.5 A max.
PoE Standard	IEEE 802.3af PoE, IEEE 802.3at PoE
Connectors	Ethernet Input Interface: Shielded RJ-45 Extended Output Interface: Shielded RJ-45 Main Power: IEC 320-C14 inlet External redundant Power Supply: 5-pin circular
Setup Port	USB or Network with Windows GUI
RFC	2544 TCP/IP Packet Transmission 768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
Jumbo Frame Support	Yes

Environmental

Humidity	0 to 90%, non-condensing
Temperature	Operating: -10°C to +50°C Storage: -30°C to +70°C

Mechanical

Dimensions	1.75x17x12 in, 4.3x43x30.5 cm (HxWxL)
Weight	9 Lb, 4.08 Kg (Vi2508) 11 Lb, 5.44 Kg (Vi2516)
Material	Sheet metal and extruded Aluminum

Included Accessories

Mounting brackets for front or rear installations
Rubber feet for desk applications
Molded IEC 7 ft. (200 cm) power cord
Custom built 20 in (50 cm) redundant power cable (Vi2508S/Vi2516S only)

Ordering Information

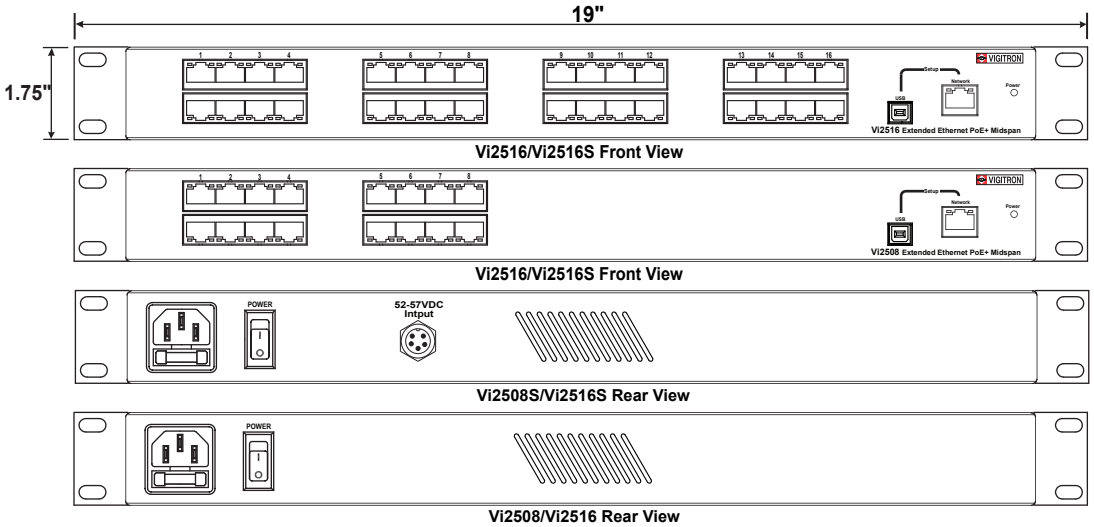
PART No.	Description
Vi2508	8-port Extended UTP Ethernet Midspan
Vi2508S	8-port Extended UTP Ethernet Midspan w/RPS input
Vi2516	16-port Extended UTP Ethernet Midspan
Vi2516S	16-port Extended UTP Ethernet Midspan w/RPS input
Vi0600	600W Redundant Power supply
Vi1200	1200W Redundant Power supply

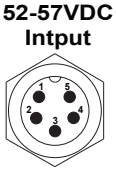
System Configuration

Data and PoE Distance**

Data Rate	Data + PoE					
	Class 1	Class 2	Class 3	802.3at	50W	60W
10BaseT	3,000 ft. (914 m)	3,000 ft. (914 m)	3,000 ft. (914 m)	800 ft. (243 m)	750 ft. (228 m)	500 ft. (152 m)
100BaseT	2,000 ft. (609 m)	2,000 ft. (609 m)	2,000 ft. (609 m)	800 ft. (243 m)	750 ft. (228 m)	500 ft. (152 m)

*Specifications subject to change without notice.
**Distance figures are obtained using Cat-5e by in-house testing mirroring installations. Factors such as cabling, connections, use of power and environmental conditions may affect actual distances and should be taken into consideration.





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